F/G. 1

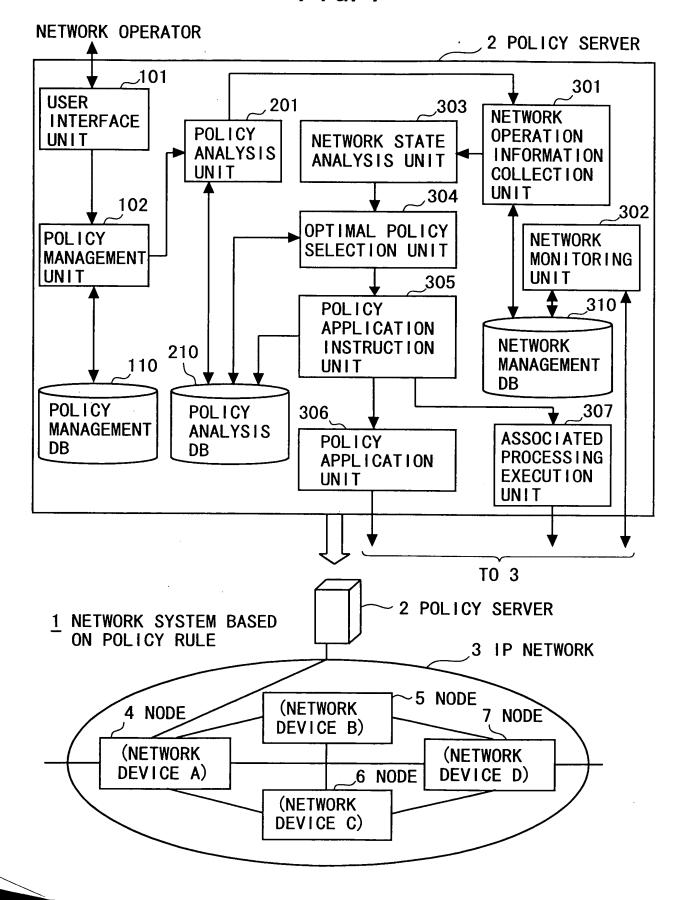


FIG. 2A

SINGLE POLICY RULE	CONDITION	PATH SWITCHING	FLOW CONTROL	MAIL NOTIFICATION
POLICY RULE 1	OCCURRENCE OF LINE UNIT TROUBLE	0		
POLICY RULE 2	OCCURRENCE OF LINE UNIT TROUBLE		0	
POLICY RULE 3	OCCURRENCE OF LINE UNIT TROUBLE			0
POLICY RULE 4	EXCESS OF LINE UNIT TRAFFIC AMOUNT THRESHOLD VALUE	0		
POLICY RULE 5	EXCESS OF LINE UNIT TRAFFIC AMOUNT THRESHOLD VALUE		0	
POLICY RULE 6	EXCESS OF LINE UNIT TRAFFIC AMOUNT THRESHOLD VALUE			0
POLICY RULE 7	EEXCESS OF LINE UNIT PACKET LOSS AMOUNT THRESHOLD VALUE	0		
POLICY RULE 8	EXCESS OF LINE UNIT PACKET LOSS AMOUNT THRESHOLD VALUE		0	
POLICY RULE 9	EXCESS OF LINE UNIT PACKET LOSS AMOUNT THRESHOLD VALUE			0

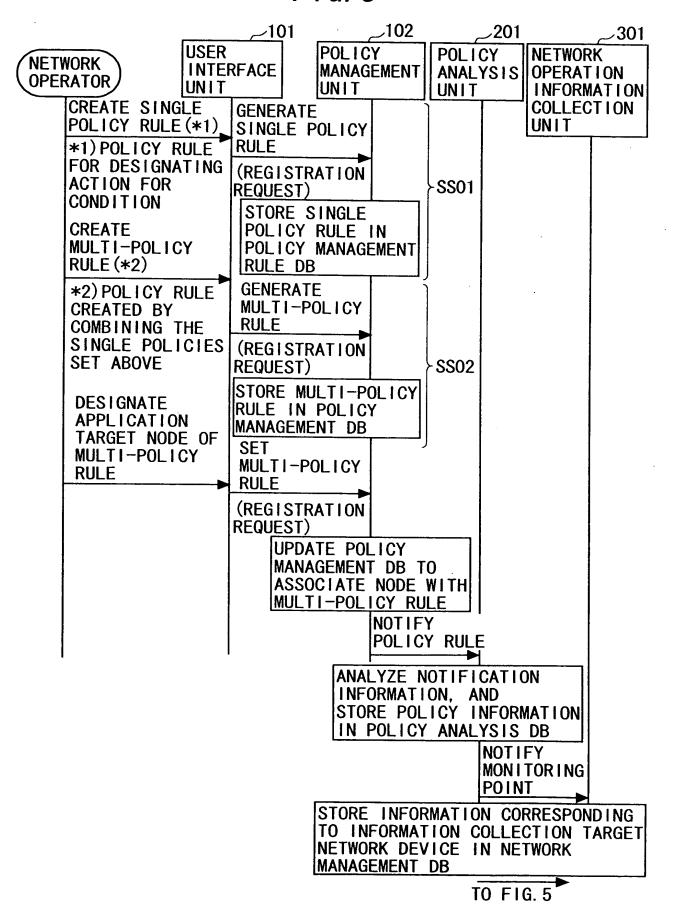
F/G. 2B

MULTI-POLICY RULE	COMBINATION OF SINGLE POLICY RULES
POLICY RULE 10	POLICY RULE 1+POLICY RULE 2
POLICY RULE 11	POLICY RULE 1+POLICY RULE 3
POLICY RULE 12	POLICY RULE 2+POLICY RULE 3
POLICY RULE 13	POLICY RULE 1+POLICY RULE 2+POLICY RULE 3
POLICY RULE 14	POLICY RULE 4+POLICY RULE 5
POLICY RULE 15	POLICY RULE 4+POLICY RULE 6
POLICY RULE 16	POLICY RULE 5+POLICY RULE 6
POLICY RULE 17	POLICY RULE 4+POLICY RULE 5+POLICY RULE 6
POLICY RULE 18	POLICY RULE 7+POLICY RULE 8
POLICY RULE 19	POLICY RULE 7+POLICY RULE 9
POLICY RULE 20	POLICY RULE 8+POLICY RULE 9
POLICY RULE 21	POLICY RULE 7+POLICY RULE 8+POLICY RULE 9

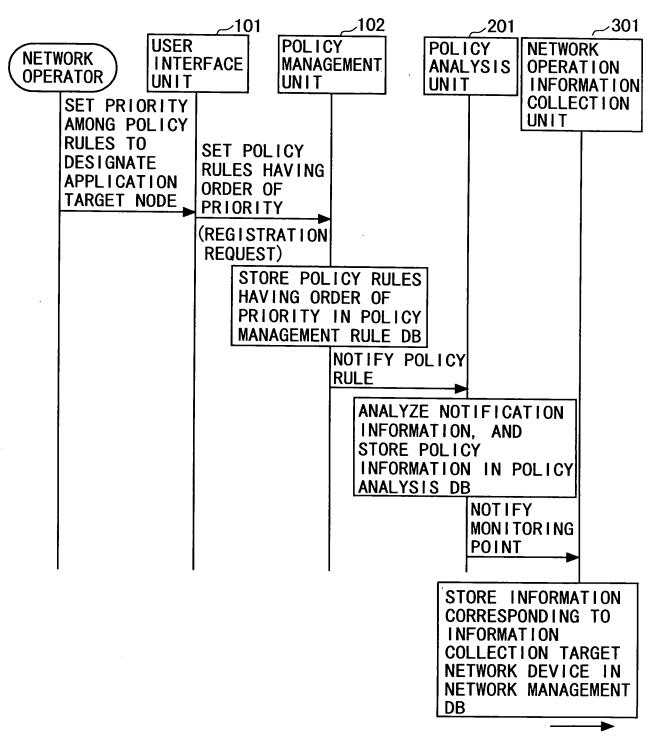
FIG. 2C

PATH NAME	ALLOCATED POLICY RULE	PRIORITY
TUNNEL-1	POLICY RULE 1	HIGH
	POLICY RULE 2	LOW
TUNNEL-2	POLICY RULE 3	HIGH
	POLICY RULE 1	LOW
<u> </u>		!

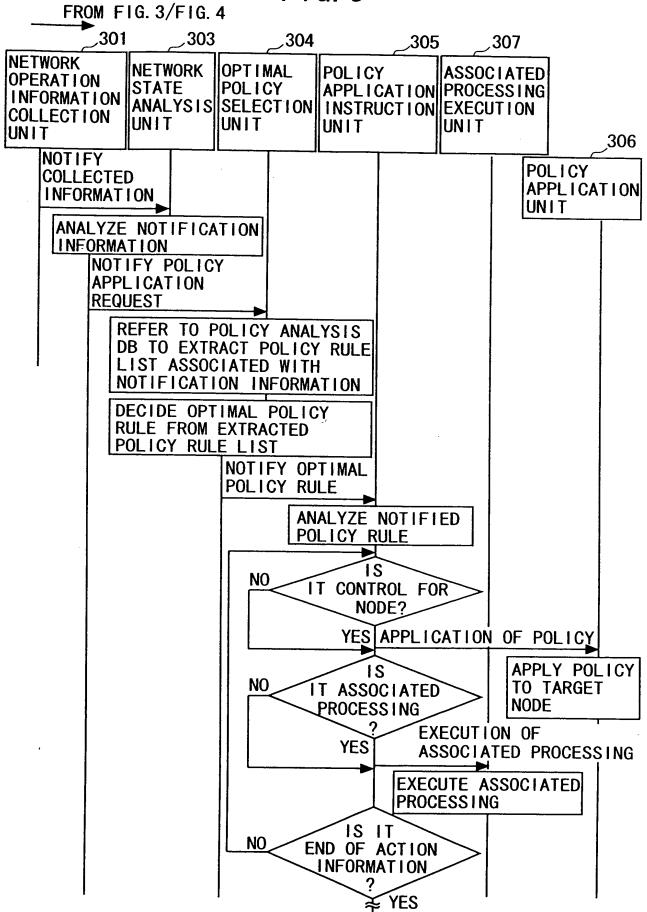
F/G. 3



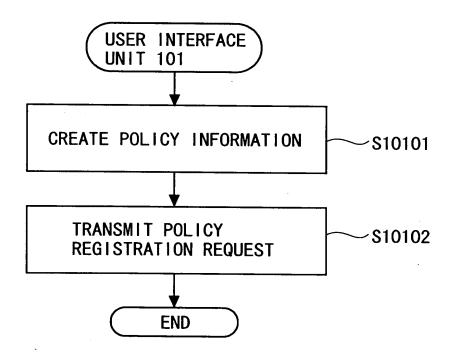
F/G. 4

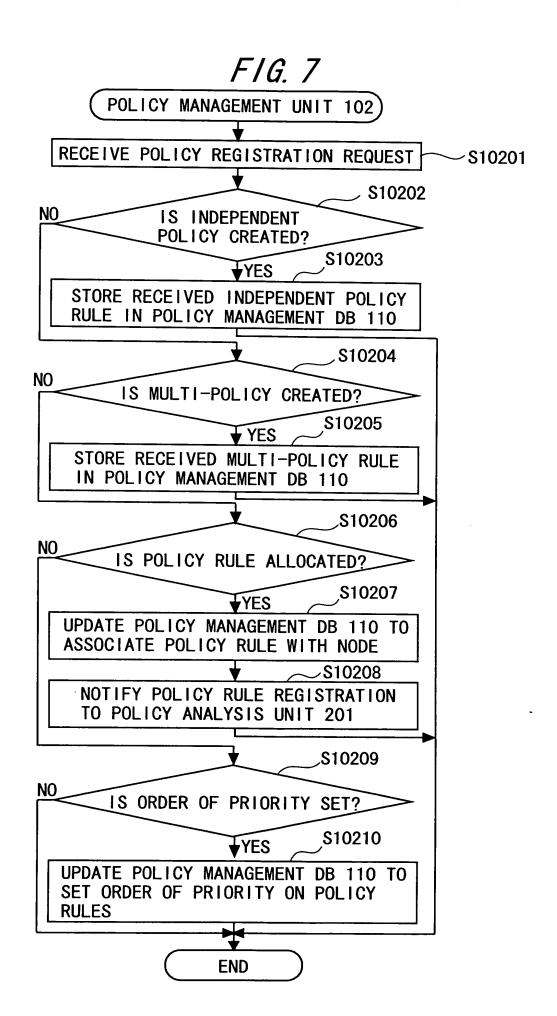


F/G. 5

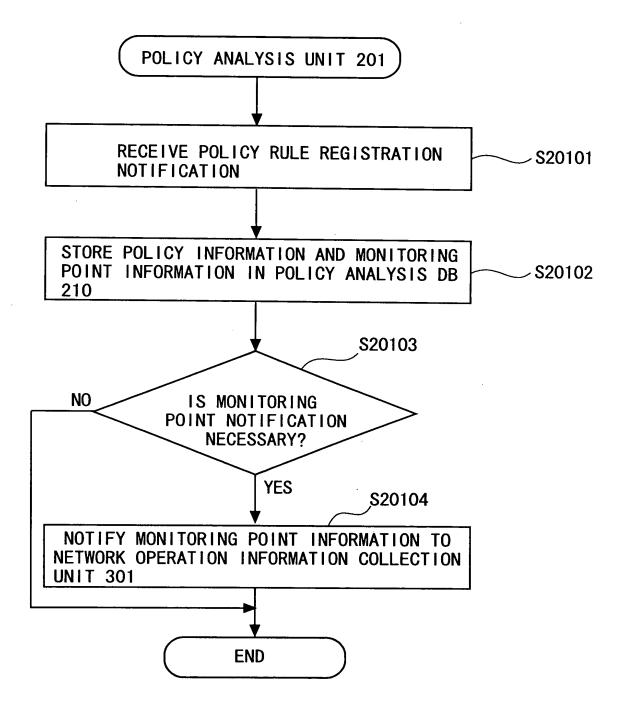


F/G. 6



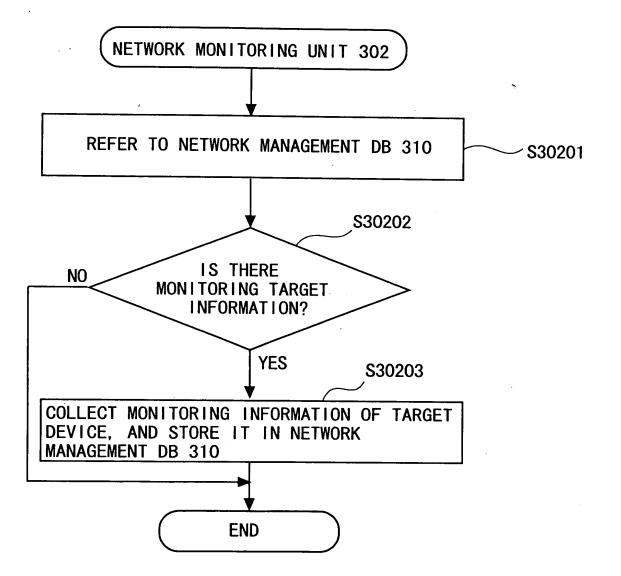


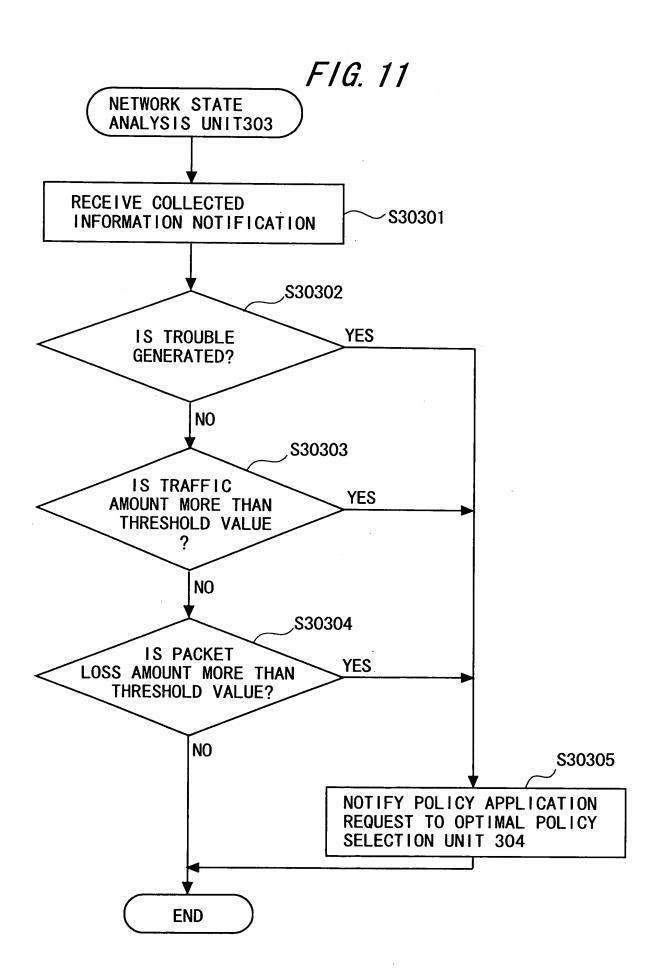
F/G. 8



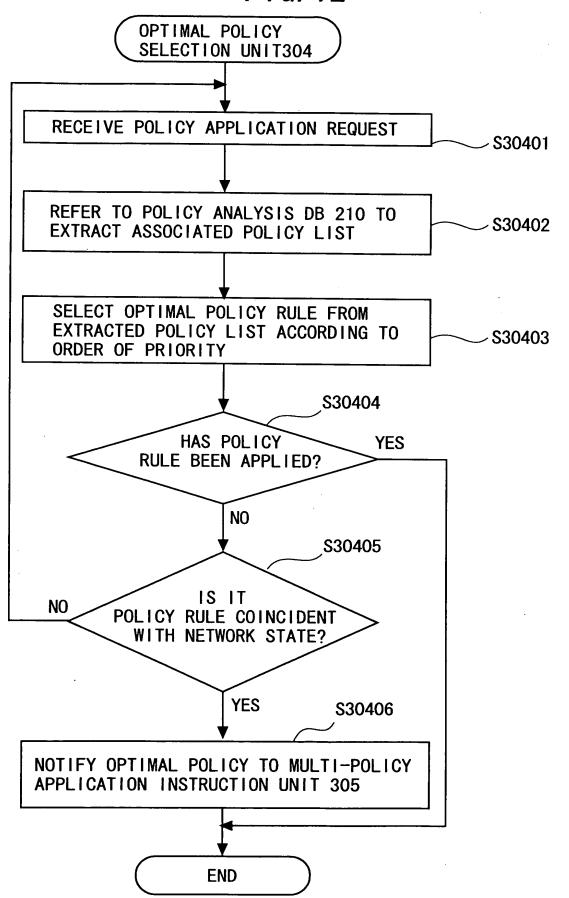
F/G. 9 **NETWORK OPERATION** INFORMATION COLLECTION UNIT 301 RECEIVE MONITORING POINT INFORMATION S30101 STORE MONITORING POINT IN NETWORK S30102 MANAGEMENT DB 310 MONITOR INFORMATION OF NETWORK STATE >S30103 S30104 NO HAS NETWORK STATE BEEN UPDATED? YES S30105 NOTIFY TO NETWORK STATE ANALYSIS UNIT 303 **END**

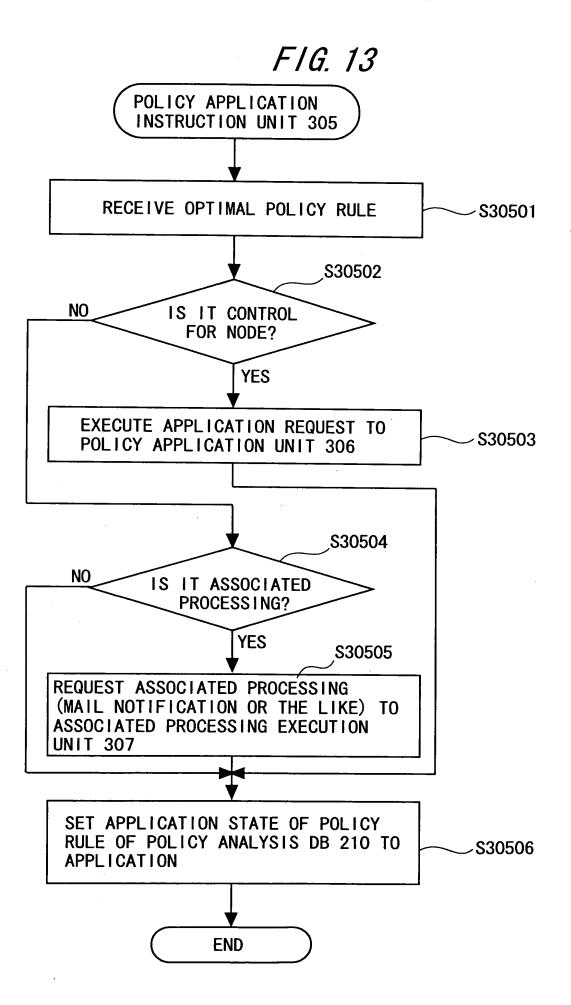
F/G. 10



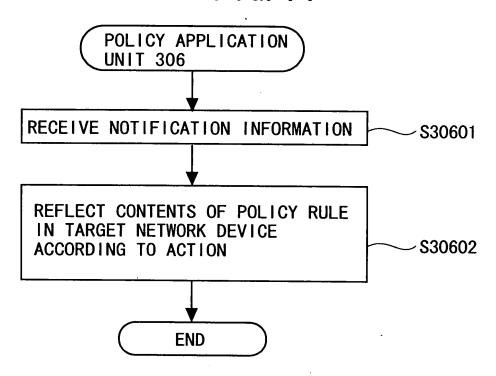


F/G. 12

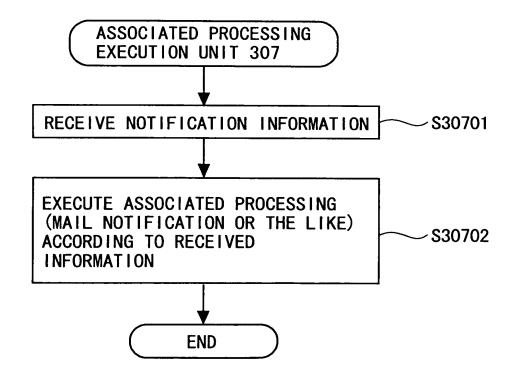




F/G. 14



F/G. 15



		POLICY TYPE OF POLICY RULE	CONDITION CONDITION FOR POLICY RULE	ACTION	ILE ORDER OF ORDER OF PRIORITY AT TIME OF	IME OF NEXT POLICY			NAME	POLICY NAME NAME OF POLICY RULE	POLICY TYPE TYPE OF POLICY RULE	CONDITION CONDITION FOR POLICY RULE	ACTION ACTION FOR POLICY RULE	LE ORDER OF ORDER OF PRIORITY AT TIME OF PRIORITY AT TIME OF PRIORITY POLICY APPLICATION	NEXT POLICY	
•	POLICY RULE MANAGEMENT DATA STRUCTURE NAME CONTENT INK PREVIOUS POINTER REFORE I INK	POINTER AFTER I	_	CONDITION FOR POLICY RULE	ACTION FOR POLICY RULE	ORDER OF PRIORITY AT TIME OF POLICY APPLICATION	+	MULTI-POLICY RULE	CONTENT	INK PREVIOUS POINTER BEFORE LINK			CONDITION FOR POLICY RULE	ACTION FOR POLICY RULE	ORDER OF PRIORITY AT TIME OF POLICY APPLICATION	
	POLICY RULE M NAME	LINK NEXT	POLICY NAME	CONDITION	ACTION	ORDER OF	NEXT DOI 104	וורעו	NAME	LINK PREVIOU	LINK NEXT	POLICY NAME	POLICY IYPE	ACTION	ORDER OF PRIORITY	NEXT POLICY
	NETWORK DEVICE MANAGEMENT DATA STRUCTURE	CONTENT	ID FOR IDENTIFYING	DEVICE ID (EX. IP ADDRESS OR	INE LIKE)	NTERFACE ID FOR IDENTIFYING D ANDBERS OF THE LIVEY	ADDRESS ON THE LINE)	HEADER POINTER OF LI POLICY RULE	INK TAIL TAIL POINTER OF	POLICY RULE						110 POLICY MANAGEMENT DATABASE
	NETWORK DE Data struc	NAME	NETWORK	DEVICE ID		INTERFACE		LINK HEADER	I INK TAII							110 POLIC

NETWORK DEVICE MANAGEMENT DATA STRUCTURE NAME OCONTENT NAME CONTENT NAME CONTENT NAME CONDITION CONTENT APPLIED NEXT POLICY RULE NUMBER LINK TAIL LINK TAIL POLICY RULE CONDITION CONTENT CONDITION CONTENT CONDITION CONTENT CONDITION CONTENT CONDITION CONTENT CONDITION CONDITION CONTENT
THE LIKE) NUMBER OF APPLIED POLICY RULE TAIL POINTER OF POLICY RULE TAIL POLICY RULE T

F/G. 18

NETWORK DEVICE MANAGEMENT DATA STRUCTURE

NAME	CONTENT					
NETWORK DEVICE ID	ID FOR IDENTIFYING NETWORK DEVICE (EX. IP ADDRESS OR THE LIKE)					
INTERFACE ID	ID FOR IDENTIFYING INTERFACE (EX. IP ADDRESS OR THE LIKE)					
PORT STATE	STATE OF PORT (TROUBLE OR THE LIKE)					
TRAFFIC AMOUNT	TRAFFIC AMOUNT OF INTERFACE					
PACKET LOSS AMOUNT	PACKET LOSS AMOUNT OF INTERFACE					

310 NETWORK MANAGEMENT DATABASE